

# Coats® Epic™ EcoVerde Rugged

Coats Epic EcoVerde Rugged is a 100% recycled premium polyester corespun sewing thread that has been precisely engineered to create durable, attractive seams across a wide range of recycled fabrics and materials. When you choose Epic EcoVerde Rugged thread, you can be confident of better performance, increased productivity on your sewing lines and most importantly for denim wash processes, reduced thread damage and breakage at the industrial wash process.

Epic EcoVerde Rugged is designed for denim sewing. It has all the superior properties of Epic and in addition, is particularly resistant to harsh wash processes containing bleach.

**COATS**  
*epic ecoverde  
rugged*



**100% RECYCLED  
POLYESTER CORESPUN**

## WHY CHOOSE EPIC ECOVERDE RUGGED?

- Coats Epic EcoVerde Rugged is a high-tech corespun thread that combines a high tenacity polyester filament core with a polyester fibre wrap for maximum strength and durability
- Specially lubricated to deliver excellent sewing performance
- Best bleach fastness – minimum colour change under strong bleaching conditions
- Excellent protection for seams against abrasion, ideal for stonewashing processes
- Standard 100 by Oeko-tex® Class I
- Less energy intensive to produce in comparison to virgin materials, which results in lower carbon emissions during production
- Delivers same level of performance as the virgin equivalent range, whilst offering sustainability benefits
- Global Recycled Standard (GRS) certified

## MAIN USES:

- Denim
- Jeans
- Outdoor Wear



# Coats Epic EcoVerde Rugged

## PRODUCT RANGE

Art / Tkt	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
T994120	120	24	5,000 M	1,186	17 - 26	75 - 90
T994100	100	30	5,000 M	1,490	17 - 22	75 - 90
T994080	080	40	5,000 M	1,965	18 - 24	75 - 90
T993050	050	60	3,000 M	3,038	18 - 29	100 - 120
T993040	040	80	3,000 M	3,940	18 - 25	100 - 120
T993030	030	105	3,000 M	4,787	18 - 25	110 - 130
T920028	028	105	2,000 M	4,787	18 - 25	110 - 130
T993025	025	120	3,000 M	6,076	18 - 25	120 - 140
T910020	020	135	1,000 M	7,150	18 - 25	120 - 140
T910018	018	150	1,000 M	8,040	18 - 25	130 - 160

## CHEMICAL PROPERTIES

Mineral acids:	Resistant to most mineral acids
Alkalis	Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
Organic solvents	Generally unaffected, but soluble in some phenolic compounds
Bleaching	Unaffected
Insects / microorganisms (mildew, rot)	Unaffected
Laundering / dry cleaning	Unaffected
Moisture regain	0.4%

## FASTNESS PROPERTIES

Wash Fastness 60°C	ISO 105-C10C	Grade 4
Water Fastness	ISO 105-E01	Grade 4
Hypochlorite Fastness	ISO 105-N01	Grade 4
Dry Cleaning Fastness	ISO 105-DO1	Grade 4
Perspiration Fastness	ISO 105-E04	Grade 4
Artificial Light Fastness	ISO 105-BO2	Grade 4

These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels.



Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated for time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. © Copyright reserved 2021



# Coats Epic EcoVerde Rugged

## EXPERT REAL WORLD SUPPORT

The final cost of any thread also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



### Seamworks

Install our Seamworks software to accurately calculate costs prior to production, putting an end to the risk of over or under ordering materials, and incurring unnecessary extra costs. The Seamworks tool is provided with installation, training and ongoing support included.



### One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



### Training and Presentations

From thread selection to stitch formation, the use of colour to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



### Embroidery Service Centre

Our Embroidery Service Centre makes embroidering a design much easier, increasing productivity at the same time as enhancing the design itself. Email the design and any problematic issues to us and our technicians will email the improved design right back.



### Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

To drive your hidden costs down, talk to Coats. From thread audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit [www.coats.com/epic-ecoverde-rugged](http://www.coats.com/epic-ecoverde-rugged)

## OTHER PRODUCTS IN THE EPIC RANGE

To complement the Epic range, we also have a selection of specialist Epic threads. Each of these combines the superior properties of the Epic product with additional benefits specific to the end use.

Product Name	Description
Epic	High quality, polyester corespun that is precisely engineered to create durable, attractive seams on a wide range of fabrics across many applications
Epic AS	Range of threads designed for outdoor wear and engineered to provide excellent static and dynamic friction values which reduce leakage of 'down' through the needle hole.
Epic AWF	Free of perfluorinated compounds (PFCs), an environmentally friendly, anti-wicking thread for water-resistant outdoor wear and workwear.
Epic RD	Polyester corespun thread conforms to U.S. Legislation CFR1615 and BS EN 14878:2007 (Nightwear Safety Regulations) in children's nightwear.
Epic Metallic	Pick-and-mix colour range of metallised yarn and polyester thread to sew decorative stitching on denim.
Epic Multicolour	A pure polyester thread that is a part of the flagship Epic range of threads and gives each garment a truly unique finish.
Epic Protect	Coats Epic Protect sewing thread is treated with an innovative process to give the finished thread anti-microbial / anti-fungal properties.
Epic Rugged	High-tech thread which combines the strength, performance and superior properties of Epic with bleach-fastness for a thread that can withstand denim wash processes.
Epic SIF	Polyester covered corespun thread that is free from silicone and ideal for filtration needs within the automotive industry.
Epic Supermax	Ultimate sewing thread for smooth, premium-looking seams on fine tailoring and high quality garments.
Epic Verifi	Versatile quality polyester corespun sewing thread with an embedded security system.
Epic EcoVerde	A 100% recycled premium polyester corespun sewing thread that has been precisely engineered to create durable, attractive seams across wide range of recycled fabrics and materials.

Special use Epic products are typically available across a select range of ticket sizes and technical information will in some cases vary from the above table.



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